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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/746,923	12/22/2000	Gopal Parupudi	MS1-698US	2761

22801 7590 11/15/2004

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EXAMINER

JAROENCHONWANIT, BUNJOB

ART UNIT	PAPER NUMBER
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2143

DATE MAILED: 11/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/746,923	PARUPUDI ET AL.	
	Examiner	Art Unit	
	Bunjob Jaroenchonwanit	2143	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 October 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 66-86 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 66-69 and 71-86 is/are rejected.
- 7) ☒ Claim(s) 70 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>6/18/01, 8/27/01, 3/19/03, 6/26/03</u> | 6) <input type="checkbox"/> Other: _____ |

Office Action Summary

7/28/03, 9/2/03, 11/14/03
1/22/04, 1/12/04, 3/8/04, 5/21/04, 7/19/04, 9/20/04

DETAILED ACTION

1. This Office Action is in response to the application and preliminary amendment filed 10/12/04. The application has been reviewed; claims 66-86 are pending for examination. Claims 78-79 and 85-86 are presented in a hybrid format. The claims are being treated as independent claims being treated as independent claims; the charging fee will be recalculated and charged to applicant account, accordingly.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 66-69 and 71-86 are rejected under 35 U.S.C. 103(a) as being unpatentable over Crandall (US 2002/0029291) and Liu (US. 2002/0081984).

4. Regarding claims 66, 71-74, 78 and 79, Crandall discloses the invention substantially including a system that capable of updating radio station in accordance with user profile and location of a vehicle, i.e. a location-aware vehicle, Crandall system comprising a vehicle a; a vehicle mounted computing device; a radio and a Global Positioning System (GPS). Crandall future discloses the system capable of automatically reevaluation local radio stations in accordance with the vehicle location and user profile. Crandall is silent to type of radio being used in the vehicle, whether or not the radio has a preset push button, and mapping local channels to the radio buttons. However, in the same field of endeavor, Liu teaches a system for customization favorite radio stations for multi-users, Lui clearly states that a car radio with preset

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buttons is typical radio at the time of the invention was made. The preset buttons once set up they become very convenient to the user. Thus, incorporate Liu teaching of using radio that equipped with preset buttons and capability of preset station for multi profiles, i.e., users with a vehicle that capable of tracking its location and scanning for local radio station as taught by Crandall, in order to enhance user convenient (suggested by Liu, Fig. 1, paragraph 2), would have been obvious to one of ordinary skill in the art at the time of the invention was made.

5. Regarding claims 73, 80-83, 85 and 86 recited broad limitations analogously to claim 66. They are rejected by the same rationale.

6. Regarding claims 67-68, 75-76 Crandall-Liu discloses a data store communicatively linked with the computer and configured to hold user preferences that associate radio station with various locations (paragraph 70).

7. Regarding claims 69, 77 and 84, Crandall-Liu discloses the invention substantially, as claimed, as described, but failed to disclose storing radio station and locality in hierarchical format. Official Notice is taken (see MPEP 2144.03) storing data in hierarchical format was well known in the art, and has been widely utilized for organizing database structure to simplify adyta retrieval. Thus, to simplify profile, radio station or other data retrieval, by taking advantage of well-known hierarchical database format would have been obvious to one of ordinary skill in the art at the time of the invention was made

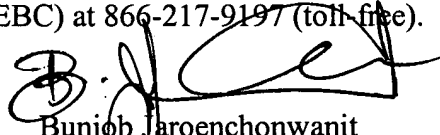
8. Claim 70 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bunjob Jaroenchonwanit whose telephone number is (571) 272-3913. The examiner can normally be reached on 8:00-17:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on (571) 272-3923. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Bunjob Jaroenchonwanit
Primary Examiner
Art Unit 2143

/bj
11/07/04